

Form PTO-1449 U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office		Attorney Docket No.: 1990.65934	Serial No.: 10/045,738
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APR 08 2002 U.S. PATENT & TRADEMARK OFFICE Applicant: Ichihara et al.	
		Filing Date: 10-29-01	Group: 2631

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

RECEIVED

APR 12 2002

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
WJ	4-182968	Jun. 30, 1992	Japan			Abs.	
WJ	11-312984	Nov. 9, 1999	Japan			Abs.	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner

*DeLo*

Date Considered

*4/19/04*

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-88) <b>OCT 28 2002</b> U.S. Department of Commerce Patent and Trademark Office <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)								Attorney Docket No. 1990.65934	Serial No. 10/045,738
								Applicant: Ichihara et al.	
								Filing Date: October 29, 2001	Group No. 2651

## U.S. PATENT DOCUMENTS

Examiner initial*		Document No.		Date		Name		Class	Subclass	Filing Date
<i>Ad</i>		5	7	5	4	3	5	3		May 19, 1998 Behrens et al. November 17, 1994
<i>Ad</i>		5	8	8	9	8	2	3		March 30, 1999 Agazzi et al. December 13, 1995
<i>Ad</i>		6	1	8	5	1	7	5		February 6, 2001 Zook December 2, 1998

## FOREIGN PATENT DOCUMENTS

		Document No.		Date		Country	Class	Subclass	Translation	
									Yes	No
<i>EP</i>	0	8	0	1	4	8	4	A2	October 15, 1997	Europe X
<i>EP</i>	0	8	0	1	4	8	4	A3	January 13, 1999	Europe X
<i>Ad</i>	1	1	2	3	8	3	2	0	August 31, 1991	Japan Abs.
<i>Ad</i>	0	9	2	5	1	6	0	4	September 22, 1997	Japan Abs.
<i>Ad</i>	0	3	2	7	8	3	7	3	December 10, 1991	Japan Abs.
<i>Ad</i>	0	1	3	0	9	5	4	9	December 13, 1989	Japan Abs.

Technology Center 2600

RECEIVED

OCT 30 2002

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Ad</i>	CODING TO IMPROVE SNR IN MAGNETIC RECORDING; Conway T., et al., Electronics Letters, IEE Stevenage, GB, Vol. 32, No. 7, March 28, 1996, Pages 621-622

Examiner	<i>Ad</i>	Date Considered	<i>4/19/04</i>
----------	-----------	-----------------	----------------

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.